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TRANSMITTAL

То:	Department of Natural Resources Private Water Systems Section - D P.O. Box 7921 Madison, WI 53707-7921)G/:	SEH File No.:		January 2, 2014
Re:	Source Energy Services				
	The State Country Coun	□ fee	Sending under separate cover		Sending as requested
☐ Ac Remai	ormation/Records [tion [rks:	we	Review and comment Distribution ere made under File Number 03-3-00	⊠ □ 017.	Approval Revision and resubmittal
By:	Susan Wojtkiewicz				

Ted Peterson, Plant Manager - Source Energy Services

State of Wisconsin Department of Natural Resources Private Water Systems Section - DG/2 dnr.wi.gov

High Capacity, School or Wastewater Treatment Plant Well Approval Application

Form 3300-256 (R 7/05)

JAN 7 - 2014

Page 1 of 6

Notice: Prior department approval is required for the construction, reconstruction or operation of a high capacity well or system of high capacity wells, a school well or a wastewater treatment plant well in accordance with Section NR 812.09(4)(a), Wisconsin Administrative Code Personally identifiable information collected on this form, including such data as your name, address and phone number, will be used for management of department programs and is unlikely to be used for other purposes. This information will be addressable under Wisconsin's Open Records Laws, ss. 19.32 - 19.39, Wis. Stats.

Use this form to request an approval for installation of a well or wells on a high capacity property, seek approval to make other changes to a high capacity property or to modify a well on a high capacity property, as required by NR 812.09(4)(a), Wisconsin Administrative Code. Refer to definitions of high capacity well, high capacity property and high capacity well system on page 5.

This form is not intended to be used when seeking approval for construction or modification of wells serving water systems regulated under ch. NR 811, Wis. Adm. Code. Any water system serving 7 or more homes, 10 or more mobile homes, 10 or more apartments, 10 or more condominiums, or 10 or more duplexes is regulated under ch. NR 811, Wis. Adm. Code. See NR 811.01, Wis. Adm. Code for applicability requirements.

	1.50			. Ext								
Applicant Information												
Application Prepared By (Name and Title)		Company										
Susan Wojtkiewicz, Project N	SEH											
Street Address	City State ZIP Code											
1701 W. Knapp St. Suite B	Rice Lake WI 54868											
Telephone Number 715.861.4918	**************************************				E-Mail Address Swojtkiewicz@sehinc.com							
Property Ownership Information	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2											
Property owner, if different than applicant	(Name of Person and Title)	Company										
Ted Peterson, Plant Manag			urce En	ergy Service	S							
Street Address		City			State	ZIP Code						
2595 State Highway 8		Cameron WI 548										
Telephone Number	Fax Number		E-Mail Add	ress								
715.859.6452	5	tpeters	on@source	energ	eyservices.com							
Well Operator Information												
Well operator if different than owner (Nam	e of Person and Title)	Company										
Street Address		City			State	ZIP Code						
Telephone Number	Fax Number		E-Mail Add	ress								
Property Information												
Enter the High Capacity Well File Number be property at the time of application, enter "NC or use the compact disk of departmental wel "Location" section. File number format is as	NE." NOTE: Find the file num	ber in upper ri	ght hand cor allers. On the	ner of the most re- e compact disk, se	cent high e "File Ic	n capacity well approva ocation" in red print in						
County	Town			High Capacity W		No.						
Barron	Sumner		03-3-0017									
Submittal Purpose												
Check all that apply:												
X Install one or more new wells with	a capacity greater than 70 g	gallons per m	inute.									
Install one or more new wells with a	a capacity less than 70 galle	ons per minu	te on a hig	h capacity prope	rty.							
Replace one or more wells with a c	apacity greater than 70 gal	lons per min	ute.									
Replace one or more wells with a c	apacity less than 70 gallon	s per minute	on a high o	capacity property	<mark>/.</mark>							
Reconstruct one or more wells with	a capacity greater than 70	gallons per	minute.									
Reconstruct one or more wells with	a capacity less than 70 ga	llons per min	ute on a hi	gh capacity prop	erty.							
☐ Increase pumping rate in one or me	ore wells to a rate greater th	nan previous	ly approved	i .								
Request continued operation of hig	h capacity wells after a cha	ange in owne	rship. (No	application fee r	equired	.)						
Renew a previous approval that ha	s expired.											
☐ Well (or wells) will serve a school of	r wastewater treatment pla	nt. See defir	n <mark>itions</mark> on p	age 5.								
Other explain												

Site Status Information

and t	ne in	e the site status using the internet or the compact disk of departmental well data that is issued to drillers and pump installers formation supplied by the property owner. Internet address is dnr.wi.gov/org/water/dwg/dws.htm . Enter YES or NO for each owing questions.
YES	NO X	Has the property boundary changed since the most recent high capacity well approval was issued? If the property is not yet a high capacity property, check NO.
X		Has there been a change in well ownership since the last approval was written? If YES, name of current owner: Through reorganization of assets, Owner name changed to Source Energy Services effective October 15, 2013.
X		Has there been a change in well operator since the last approval was written? If YES, name of current operator: Owner and operator are the same - see question above.
	X	Will a proposed well be connected to a plumbing system that is supplied by other sources (other wells, municipal supply, etc.)? If YES, include a schematic drawing showing backflow protection.
	X	Is a proposed well within 1,200 feet of a landfill? Determine if there are any landfills nearby, using the well information compact disk FIND feature. Enter the township, range and section of the well location. If the well is near a section line, also check the adjacent section or sections. If YES, list the landfill site ID Number: CR. Landfill location: (Township/Range/Section)
		If YES, list the landfill site ID Number: OR Landfill location: (Township/Range/Section)
	X	Is a proposed well on a property that has a contaminated site? If YES, list the BRRTS (Bureau for Remediation and Redevelopment Tracking System) Number here and specify if the site is open or closed:
	X	Is a proposed well on a property that has a groundwater use restriction recorded on the deed? If YES, list the BRRTS number, as assigned to the contaminated site by the DNR remediation and redevelopment program:
	X	Is a proposed well on a property that is listed on the department's registry of closed remediation sites for a groundwater use restriction? See compact disk or internet at maps.dnr.state.wi.us/imf/dnrimf.jsp?site=brrts . If YES, list the BRRTS Number here:
	X	Is a proposed well to be used for a public water supply system that serves 25 or more people? See definition of a "public water system" in the definitions section on page 5.
	X	Is a proposed well to be installed within a special casing area? Refer to the list of special casing areas that is published by the department and/or contact the regional DNR office.
	X	Has the number of wells or pumping capacity in an existing well increased since the most recent high capacity well approval was issued?
	X	Has the number of wells decreased since the most recent high capacity well approval? If the property is not yet a high capacity property, check NO.
X		Is a non-pressurized storage vessel (i.e. reservoir) other than a pond proposed or in use?
	X	Will the well discharge directly to a storage pond?
	X	Is a pressurized tank with a capacity greater than 1,000 gallons proposed or in use?
	X	Is a proposed well within 1,200 feet of a quarry?
	X	Is a proposed well located in a floodplain or floodway?
	X	Are any existing well installations on the high capacity property out of compliance with Chapter NR 812, Wisconsin Administrative Code?
	X	Will the well be used as a source of bottled water?
	X	Are you seeking a variance to construct a well that has a capacity of less than 70 gallons per minute to low capacity well construction standards?
	X	is the property served by a community water system?

Existing Well Information Enter the following information on all existing wells on the property, if more than four wells, submit additional sheets: Well Name Assigned by Well Owner North Well (TW 1) South Well Test Well 2 Farm & home (North Well, etc.): Well Number Assigned by Owner 005 002 003 001 (001, 002, etc.): Wi Unique Well Number or NA if no **YH353** YK046 NA YG067 Permanent DNR High Capacity Well 71973 71974 71975 N/A Number or N/A if none: Public Water System ID Number, if NONE NONE NONE NONE Public (if not public, NONE): Non-potable Non-potable Non-potable Potable or Non-Potable Use: Potable Type of Well (Irrigation, Industrial, Residential Industrial Industrial Test well Residential, etc.): Requested Average Water Usage per 288,000 108,000 108,000 500 Day in Gallons: Requested Maximum Water Usage 1000 234,000 288,000 234,000 per Day in Gallons: Seasonal? (April to October, Year Year Around April - November April - November Around, etc.): Approved Pumping Capacity If 350 350 Previously Approved (gpm): 350 Current Pump Type & Capacity (gpm): 350 Proposed Pump Type & Capacity If Change Requested (gpm): Pump Discharge Type (Over Top of Pitless adapter Pitless adapter Casing Seal, Pitless, etc.): Discharge Location (Building Pressure Building pressure tank Storage tank Storage tank Tank, Pond, etc.): Height of Well Casing Above Ground 12 18 14 24 In Inches: Potential Contaminant Sources and Septic - 50' Septic - 1,150' N/A N/A Distance: Well Loc: Quarter Quarter Section SE 1/4 NE 1/4 of SE 1/4 SE 1/4 of SE 1/4 NE 1/4 of NE 1/4 SE 1/4 of or Government Lot Number 29 29 29 Section or French Long Lot No. 29 34 34 34 34 Township: Т Ν Ν Ν Ν 10 10 10 10 EXWR IE XIW]E 🗵 W R le 🛛 w Range (Select E or W): 2 5 23 852 4 5 0 2 3,656 4 5 ٥ 2 3268 Latitude (Degrees and Minutes) 5 3 7065 0 Longitude (Degrees and Minutes) 910 3 7 4238 9 1 0 3 7 605 9 1 0 3 7 592 9103 6181 GPS Map Datum (WGS84, **GPS007 NAD 27 NAD 27 NAD 27** Include as much of the following information as practical for wells that do not have well construction records attached to the application, however if the well construction record is attached, applicant may leave the following rows blank. Date of Construction: 10/01/2012 10/28/2013 6/9/1966 12/14/2011 Aqua-Service, Inc. Ira Calkins Aqua-Service, Inc. Aqua-Service, Inc Drilled by (Name of Drilling Firm): Drilling Method(s) (Rotary, Rotary Rotary Rotary Percussion, Etc.) 280 260 280 Well Depth in Feet: 115 Upper Enlarged Drillhole Diameter in 100 59 12 inches, 80 12 inches, 22 Inches and Depth in Feet: inches, feet feet feet inches. feet Lower Drillhole Diameter in Inches 280 280 115 260 8 6 feet inches, and Depth in Feet: inches. feet inches. inches. feet feet Well Casing Diameter in Inches and 30 8 inches 80 102 6 inches, 60 Depth in Feet: inches, feet feet inches, feet Well Casing Material and Wall STD STD (min. 0.33") STD (min. 0.33") STD (min. 0.28") Thickness: Annular Space Material Between Cement grout Cement grout Cement grout Cement grout Casing and Drillhole Wall: is There a Well Screen (Y or N) if so, Ν N Ν Ν Screen Material?:

Existing Well Information											1 4							
Enter the following information on	all exis	ting w	ells or	the	prop	erty, if m	ore	than f	our	wells	s, submit	additio	onal s	heet	s:			
Well Name Assigned by Well Owner (North Well, etc.):	Scale	e Hous	e/Offic	æ														
Well Number Assigned by Owner (001, 002, etc.):	004																	
WI Unique Well Number or NA if no number:	YI61	2																
Permanent DNR High Capacity Well Number or N/A if none:	7250	8																
Public Water System ID Number, if Public (if not public, NONE):	NON	Ε																
Potable or Non-Potable Use:	Potal	ble																
Type of Well (Irrigation, Industrial, Residential, etc.):	Com	mercia	1															
Requested Average Water Usage per Day in Gallons:	2,00	0																
Requested Maximum Water Usage per Day in Gallons:	5,00	0																_
Seasonal? (April to October, Year Around, etc.):	Year	Aroun	d															
Approved Pumping Capacity if Previously Approved (gpm):	20																	
Current Pump Type & Capacity (gpm):	20																	
Proposed Pump Type & Capacity If Change Requested (gpm):																		
Pump Discharge Type (Over Top of Casing Seal, Pitless, etc.):	Pitle	ss ada	pter															
Discharge Location (Building Pressure Tank, Pond, etc.):	Buil	ding pr	essure	tank														
Height of Well Casing Above Ground in Inches:	16																	
Potential Contaminant Sources and Distance:	1	ling tan ling ov			,													
Well Loc: Quarter Quarter Section	NE	•	f NE			1/4	of		1/4		1/4 o	f	1/4		1/4 c)f	1/	4
or Government Lot Number																		
Section or French Long Lot No.	29																	
Township:	T 34	1		N	Т				N	Т			N	т			N	
Range (Select E or W):	R 10)		×ω	R	10]]w	R			□w	R			۱ 🔲 ع	٨
Latitude (Degrees and Minutes)	4 5	° 2	4,40			٥				Ι	۰	_,	'	Ι	۰	<u>·</u> _		
Longitude (Degrees and Minutes)	- 9	1 0 3	7 , 45) '		0					0		· ·	Ĺ	۰			_
GPS Map Datum (WGS84, WTM91, etc.)	1	007																_
Include as much of the following inform well construction record is attached, a	nation a pplicant	s praction may lea	cal for v	velis t follow	hat d ⁄ing r	o not hav ows blank	e we (.	ll cons	truc	tion r	ecords att	ached t	o the	applic	ation, nov	veve	rittne	
Date of Construction:		26/201			Ī													
Drilled by (Name of Drilling Firm):	Aqı	ua-Ser	vice, lı	ìC.								***************************************						
Drilling Method(s) (Rotary, Percussion, Etc.)	Ro	tary																
Well Depth in Feet:	12	2																
Upper Enlarged Drillhole Diameter in Inches and Depth in Feet:	it	nches,		feet		inches,		<u>f</u>	eet		inches,		feet		inches,		fee) t
Lower Drillhole Diameter in Inches and Depth in Feet:	6 _{ir}	nches,	122	feet		inches,	_	f	eet		inches,		feet		inches,		fee	ŧ
Well Casing Diameter in Inches and Depth in Feet:	6 ,	nches,	38	feet		inches,		f	eet		inches,		feet		inches,		fee) t
Well Casing Material and Wall Thickness:	STD	(min.	0.28")															
Annular Space Material Between Casing and Drillhole Wall:		nular b	entoni	e														
Is There a Well Screen (Y or N) If so,	N										N				N			

Proposed Well Information								<u></u>		
Enter the following information on all	proposed wells	on the pro	operty, if r	nore than	two wells	or alternate cor	nstructi	on, submit ac	lditional sh	eets:
Well Name Assigned by Well Owner (North Well, etc.):	Plant Well									
Well Number Assigned by Owner (001, 002, etc.):	005					-				
Well Loc: Quarter Quarter Section or French Long Lot Number	NE 1/4 o	f NE	1/4 of S	Section	29	1/4	of	1/4 of 5	Section	
or Government Lot Number								,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Township & Range (Select E or W)	т 34	N, R	10		⊠w	Τ	N,	R	□E	w
Latitude (Degrees and Minutes)	45 0		24.	3268	1		·			1
Longitude (Degrees and Minutes)	<u>- 91</u> °		3 7,0	61 <u>81</u>	ı)			1
GPS Map Datum (WGS84, WTM91, etc.)	GPS007									
Type of Well (Irrigation, Industrial, Residential, etc.):	_{Type:} Industrial			Potab X Non-F	le Potable	Туре:			Potab Non-P	ie Potable
Drilling Method(s) (Rotary, Percussion, Etc.):	Rotary	named Du	ria a Deilli					-		
Anticipated Geological Materials and D										
Material and Depth Interval:	Tan/brown cla		om	0' to	3 1			from	0 ' to	<u>`</u>
Material and Depth Interval:	Yellow sands	one fr	om 3	' to	280 ·			from	' to	
Material and Depth Interval:		fre	om	' to	•			from	' to	
Material and Depth Interval:		fre	om	' to	*			from	' to	
Material and Depth Interval:	A. I.A	fre	om	' to	+			from	' to	
Drillhole Diameter and Anticipated Dep	10		om 0		59 '			<i>f</i>	' to	
Diameter and Depth Interval:	6			to_	280 •			from		
Diameter and Depth Interval:	O			* to	200 .			from	' to	
Diameter and Depth Interval: Permanent Casing or Liner Diameter a	nd Wall Thicknes		om pated Den	th Intervals	``			from	' to	
Diameter and Wall Thickness					60 ·					
at Depth Interval: Diameter and Wall Thickness	6 diam/		thick	0 ' to		" dlam/		" thick	0 ' to	
at Depth Interval: Permanent Casing or Liner Material, I	" diam/	*	thick	<u>' to</u>		" dlam/		" thick	' to	
Casing Joints (Welded, T and C,			,···							
etc.) Material and Weight	Welded									
at Depth Interval:	Steel	<u>/ 19.4</u>	4lbs/foot	0 ' to	60 '			lbs/foot	0 ' to	<u> </u>
Material and Weight at Depth Interval:			lbs/foot	' to			1	lbs/foot	' to	
Screen Material, Slot Size in Inches and Depth Interval or N/A if none:			*/	' to	ı			*/	¹ to	•
Casing to Screen Joint (Welded, T and C, K Packer, etc.)										
Annular Space Material Including Filter	Pack Material, If	Used:								
Material and Depth Interval:				0 ' to	+				0 ' to	
Material and Depth Interval:			1	' to	,				' to	
Proposed Average Water Usage Per Day in Gallons:	288,000									
Proposed Maximum Water Usage Per Day in Gallons:	288,000									
Seasonal? (April to October, Year Around, etc.):	Year Around	d								
Proposed Pump Type & Capacity (gpm):	Submersible	e, 200 gpi	m							
Discharge Type (Over Top of Casing Seal, Pitless Adapter or Unit):	Pitless adap	ter								
Discharge Location (Building Pressure Tank, Pond, etc.):	Pond									
Distance and Direction to Nearest Public Utility Well & Well Name:	13,335' Wes	st - Jennie	e-O Turk	ey Store						
Distance to Other Potential Contaminant Sources:	14,400' NW	- Town o	f Sumne	r LUST si	te and la	ndfill				
Distance to Other Potential Contaminant Sources:	22,400' SE	- Antezak	Inventor	y Farm				***		
Leave Blank, for Department use only										

Required Attachments

- Attach one of the maps described in A. or B., below. Plot the existing and proposed well locations on the map. For wells that have a
 Wisconsin Unique Well Number or a Permanent High Capacity Well Number, plot the well locations with one of those numbers.
 - A. Copy of a plat map with the property boundary clearly shown. If the property is contiguous with properties owned by the same owner in another township, include a copy of that township map too, showing the property boundaries. If the property owner listed on the plat map is different from the current owner, list the date or dates, that the current property owner purchased the property on the map.
 - B. Map of the property prepared by a licensed land surveyor and the property description as described by the surveyor.
- 2. Sketch map showing all of the following that are planned or exist within 300 feet of each proposed well: proposed well location; other wells; property boundary; wetlands; potential contaminant sources (septic tank and drainfield, petroleum storage tanks, sewer lines, etc.); buildings and north arrow. If no pertinent features to map within 300 feet of the proposed well, for example an irrigation well in the middle of a field, state that on the property map listed above and plot the well locations on that map.
- 3. Any well construction records available for existing wells on the property. Do not attach any well construction records for wells that are not on the property. If a Wisconsin Unique Well Number has not been assigned, write a well name or site well number on the record that correlates to the well name or number plotted on the maps.
- 4. For proposed wells with a capacity greater than 400 gallons per minute, include the performance curve or performance table that is provided by the pump manufacturer. If the pump will be a lineshaft turbine, provide a curve with the same rpm as the motor under full load and list the motor horsepower.
- 5. If more than one well is connected to a common plumbing system, also provide a schematic drawing of the system showing method of preventing backflow. This sketch must include the well discharge (pitless, over top of casing sanitary seal); the water line from the well; pressure tanks; sampling faucets; check valves; backflow preventers; air gaps; manually operated valves; water meters; pressure switches for pumps; and any other pertinent fittings. This schematic drawing must also identify which of these components are burled or above ground. If there is more than one check valve within the well casing, include in-well check valves on the schematic.
- If reconstruction of an existing well is proposed, include a diagram of the current well construction and a diagram of the proposed construction.
- If the application is for a high capacity well or wells, a \$500.00 check payable to the Department of Natural Resources, unless the application is only for continued operation after a change of ownership.

Certification and Applicant Signatures

If the application requests a variance for a well within 1,200 feet of a landfill, a well on a property with a groundwater use restriction, or any other variance to NR 812, Wis. Adm. Code, the property owner must sign the application. If the well operator will install a well on property that he or she does not own, the property owner must also sign the application. Otherwise, an agent of the owner may sign the application.

Unsigned and incomplete applications will not be approved.

By signing this form, the person signing this application certifies that to the best of his or her knowledge, all existing well installations on the property comply with ch. NR 812, Wis. Adm. Code. The person also certifies that to the best of his or her knowledge, all information in the application is accurate and correct.

Name - Print	Check Box								
Ted Peterson - Plant Ma	Nager . I Owner	er X Agent of the Owner							
Signature / /	Company	Date							
telfil	Source Energy Services	1-2-2014							
Application submittal. Mail completed app Section - DG/2, PO Box 7921, Madison W	lication and payment with all required attachments to D I 53707-7921.	DNR, Private Water Systems							

"High capacity well system" means one or more wells, drillholes or mine shafts used or to be used to withdraw water for any purpose on one property, if the total pumping or flowing capacity of all wells, drillholes or mine shafts on one property is 70 or more gallons per minute based on the pump curve at the lowest system pressure setting, or based on the flow rate. [NR 812.07(53)]

"Public water system" means a system for the provision to the public of piped water for human consumptions if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days per year. A public water system is either a community water system or a non-community water system. Such system includes: (a) Any collection, treatment, storage, and distribution facilities under control of the operator of such system and used primarily in connection with such system, and (b) Any collection or pretreatment storage facilities not under such control which are used primarily in connection with such system. [NR 812.07(80)]

"School" means a public or private educational facility in which a program of educational instruction is provided to children in any grade or grades from kindergarten through the 12th grade. Water systems serving athletic fields, school forests, environmental centers, home-based schools, day-care centers and Sunday schools are not school water systems. [NR 812.07(94)]

"Wastewater treatment plant" means any facility provided for the treatment of sanitary or industrial wastewater or both. The following types of facilities are excluded: (a) Facilities defined as private sewage systems in s. 145.01(12), Stats. (b) Pretreatment facilities from which effluent is directed to a public sewer system for treatment. (c) Industrial wastewater treatment facilities which consist solely of a land disposal system. [NR 114.03(14)]

[&]quot;High capacity well" means a well constructed on a high capacity property. [NR 812.07(51)]

right capacity well intents a work constructed out a right capacity property. [417 012.07(017)

[&]quot;High capacity property" means one property on which a high capacity well system exists or is to be constructed. [NR 812.07(52)]



